



PATENT

Attorney Docket No.: RBN-001DV

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Keene *et al.* GROUP NUMBER: 1636  
SERIAL NUMBER: 10/629,453 CONFIRMATION NUMBER: 5725  
FILING DATE: July 29, 2003 EXAMINER: Maria Marvich  
TITLE: METHODS FOR ISOLATING AND CHARACTERIZING ENDOGENOUS  
mRNA-PROTEIN (mRNP) COMPLEXES

Mail Stop: Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicant(s) hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application.

☒ Copies of the patents and publications are enclosed.

OR

☐ In accordance with the U.S. Patent Office's partial waiver of the requirement under 37 C.F.R. 1.98(a)(2)(i), only copies of the foreign patent documents and non-patent publications are enclosed.

In addition, Applicant(s) wish to call to the Examiner's attention the following commonly-owned, co-pending patent application(s) and patents, and Office Action(s) issued therein:

- 1) U.S. Application Serial No. 09/750,401, Attorney Docket No. RBN-001, U.S. Patent No. 6,635,422 B2, issued on 10/21/03;
- 2) U.S. Application Serial No. 10/238,306, Attorney Docket No. RBN-001C1, filed on 09/10/02;
- 3) U.S. Application Serial No. 10/309,788, Attorney Docket No. RBN-001CP, filed on 12/04/02;
- 4) U.S. Application Serial No. 11/364,485, Attorney Docket No. RBN-001C2, filed on 02/28/06; and

10/31/2006 HGUTEHA1 00000002 10629453

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{B0564441; 1}

- 5) U.S. Application Serial No. 11/364,477, Attorney Docket No. RBN-001CPDV, filed on 02/28/06.

**REMARKS**

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

- ☐ (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office Action** on the merits, or before the mailing of a **first Office Action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or
- ☒ (2) after the period defined in (1) but before the mailing date of a **final Action** or a **Notice of Allowance** under 37 C.F.R. 1.311, and
- ☐ the requisite Statement is below, **OR**
- ☒ the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or
- ☐ (3) after the mailing date of a **final Action** or **Notice of Allowance** but before the payment of the **Issue Fee, AND**
- ☐ the requisite Statement is below, **AND**
- ☐ the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein.

It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

**STATEMENT**

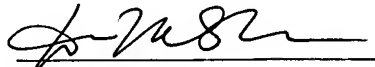
As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that [check the appropriate space only if either (2) or (3) is checked above and the Statement is required]:

- ☐ (1) Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or
- ☐ (2) No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of

information contained in the Information Disclosure Statement was known to **any individual** designated in 37 C.F.R. 1.56(c) **more than three months** prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

Date: October 27, 2006  
Reg. No. 43,153  
Tel. No. (617) 338-2952  
Fax No. (617) 338-2880

  
Diana M. Steel  
Attorney for Applicants  
Sullivan & Worcester LLP  
One Post Office Square  
Boston, MA 02109



# Fee Transmittal

For FY 2006  
Effective 12/08/2004

Complete if Known

Application Serial No.	10/629,453
Filing Date	July 29, 2003
First Named Inventor	Jack D. Keene
Examiner Name	Maria Marvich
Group Art Unit	1636
Confirmation No.	5725
Attorney Docket No.	RBN-001DV

## METHOD OF PAYMENT (check all that apply)

1. ☒ Payment Enclosed  
☒ Check ☐ Money Order ☐ None

☐ Deposit Account

Deposit Account Number **50-3211**

Deposit Account Name - Sullivan & Worcester LLP

2. ☒ The Director is authorized to: (check all that apply)

- ☐ Charge fee(s) indicated below  
☒ Credit any overpayments  
☒ Charge any additional fee(s) or any underpayment of fee(s)  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

3. ☒ Applicant claims small entity status.

### FEE CALCULATION

#### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application	Filing	Search	Examination	Fee Paid
Utility	300	500	200	
Design	200	100	130	
Plant	200	300	160	
Reissue	300	500	600	
Provisional	200	0	0	

	No. Filed	No. Extra	Rate	Amount
Total Claims	- 20=		x \$50.00	
Independent Claims	- 3 =		x \$200.00=	
<input type="checkbox"/> Multiple Dependent Claim(s), if any.			x \$360.00=	

TOTAL

SMALL ENTITY DISCOUNT

SUBTOTAL (1) (\$0.00)

#### 2. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets \_\_\_ - 100 = \_\_\_ / 50 = \_\_\_ (round up) x \$250 =

SUBTOTAL (2) (\$0.00)

#### 3. AMENDMENT CLAIM FEES

Claims Remaining After Amendment	Highest No. Previously Paid For	Present Extra	Rate	Fee Paid
Total	-	=	x \$50.00 =	
Independent	-	=	x \$200.00 =	
<input type="checkbox"/> First Presentation of Multiple Dependent Claim			+ \$360.00 =	

TOTAL

SMALL ENTITY DISCOUNT

SUBTOTAL (3) (\$0.00)

### CORRESPONDENCE ADDRESS

Direct all correspondence to: Docketing Assistant  
Sullivan & Worcester LLP  
One Post Office Square  
Boston, MA 02109  
Tel. No.: (617) 338-2800  
Fax No.: (617) 338-2880

### FEE CALCULATION (continued)

#### 4. ADDITIONAL FEES

Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid
130	65	Surcharge - late filing fee or oath	
50	25	Surcharge - late provisional filing fee or cover sheet	
120	60	Extension for reply within first month	
450	225	Extension for reply within second month	
1020	510	Extension for reply within third month	
1590	795	Extension for reply within fourth month	
2160	1080	Extension for reply within fifth month	
180	180	Submission of Information Disclosure Statement	180.00
40	40	Recordation of assignment per property	
790	395	Filing a submission after final rejection (37 CFR 1.129(a))	
130	65	Terminal Disclaimer	
790	395	Request for Continued Examination (RCE)	
100	100	Certificate of Correction	
790	395	For each additional invention to be examined (37 CFR 1.129(b))	
500	250	Notice of Appeal	
500	250	Appeal Brief	
130	130	Petitions to the Commissioner	
130	130	Non-English specification	
1400	700	Utility issue fee (or reissue)	
800	400	Design issue fee	
1100	550	Plant issue fee	
1400	700	Reissue fee	
300	300	Publication fee	
Other fee Specify		Request for five Certified Copies	
SUBTOTAL (4)			(\$180.00)

SUBTOTAL (1) (\$0.00)

SUBTOTAL (2) (\$0.00)

SUBTOTAL (3) (\$0.00)

SUBTOTAL (4) (\$180.00)

TOTAL (\$180.00)

### SIGNATURE BLOCK

Respectfully submitted,

Date: October 27, 2006

Reg. No.: 43,153

Tel. No.: (617) 338-2952

Fax No.: (617) 338-2880

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<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b> Form PTO-1449	Complete if Known	
	Application Serial No.	10/629,453
	Filing Date	July 29, 2003
	First Named Inventor	Keene <i>et al.</i>
	Examiner Name	Maria Marvich
	Group Art Unit	1633
	Attorney Docket No.	RBN-001DV

**U.S. PATENT DOCUMENTS**

Examiner Initials	Document Number	Date	Name	Class	Sub Class	Filing Date if Appropriate

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Document Number	Date	Country Code	Class	Sub Class	Filing Date	Abstract Only	English Language (Y/N?)

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials		Include name of author (in CAPITAL LETTERS), date, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), volume-issue numbers, page numbers, publisher, and city where published (when appropriate).
	C65	Ashley, Jr. <i>et al.</i> , "FMR1 Protein: Conserved RNP Family Domains and Selective RNA Binding", this is from (1993) <i>Science</i> 262:563-566; <a href="http://www.jstor.org">http://www.jstor.org</a> , 16:33:03 (2005).
	C66	DeMaria <i>et al.</i> , "AUF1 Binding Affinity to A+U-rich Elements Correlates with Rapid mRNA Degradation", <i>J. of Bio. Chem.</i> , Vol. 271, No. 21, pp. 12179-12184 (1996).
	C67	Görlach <i>et al.</i> , "The Determinants of RNA-Binding Specificity of the Heterogeneous Nuclear Ribonucleoprotein C Proteins", <i>J. of Bio. Chem.</i> , Vol. 269, No. 37, pp. 23074-23078 (1994).
	C68	Görlach <i>et al.</i> , "The mRNA Poly(A)-Binding Protein: Localization, Abundance, and RNA-Binding Specificity", <i>Exper. Cell Research</i> , Vol. 211, Issue 2, (1994).
	C69	Ma <i>et al.</i> , "Cloning and Characterization of HuR, a Ubiquitously Expressed Elav-Like Protein", <i>J. of Bio. Chem.</i> , Vol. 271, No. 14, pp. 8144-8151, (1996).
	C70	Pérez <i>et al.</i> , "Multiple RRM's Contribute to RNA Binding Specificity and Affinity for Polypyrimidine Tract Binding Protein", <i>Biochemistry</i> , 36, pp. 11881-11890 (1997).
	C71	Wei <i>et al.</i> , "Wheat Germ Poly(A) Binding Protein Enhances the Binding Affinity of Eukaryotic Initiation Factor 4F and (iso)4F for Cap Analogues", <i>Biochemistry</i> , 37, pp. 1910-1916, 1998.

Examiner Signature		Date Considered	
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